

INTERNATIONAL SEARCH REPORT

GB2004/002723

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K31/53 C07D251/48 C07D251/54 C07D251/52 C07D239/48 C07D401/12 C07D403/12 C07D401/14 C07D417/14 A61K31/505 A61K31/506 A61K31/4427 A61P25/28		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07D		
Documentation searched other than minimum documentation to the extent that such documents are included In the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, CHEM ABS Data, BEILSTEIN Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE CHEMABS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; PRINS, LEONARD J. ET AL: "Diastereoselective noncovalent synthesis of hydrogen-bonded double-rosette assemblies" XP002298973 retrieved from STN Database accession no. 2002:434936 compounds with rn: 225788-02-3P, rn: 225788-01-2P abstract & CHEMISTRY--A EUROPEAN JOURNAL , 8(10), 2288-2301 CODEN: CEUJED; ISSN: 0947-6539, 2002, ----- -/--	1-17
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.		
<input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. '&' document member of the same patent family		
Date of the actual completion of the international search 5 August 2005		Date of mailing of the international search report 07. 09. 2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Gavrilu, D

INTERNATIONAL SEARCH REPORT

PCT/GB2004/002723

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE CHEMABS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; PRINS, LEONARD J. ET AL: "Complete asymmetric induction of supramolecular chirality in a hydrogen-bonded assembly" XP002298974 retrieved from STN Database accession no. 1999:255935 compound with rn: 225788-02-3 abstract & NATURE (LONDON) , 1999, 398, 498-502 CODEN: NATUAS; ISSN: 0028-0836, 6727,	1-17
X	WO 00/25780 A1 (BRISTOL-MYERS SQUIBB COMPANY, USA) 11 May 2000 (2000-05-11) claims; examples 104,105,107,108,111-198,209-212	1-17
X	EP 0 834 507 A1 (JANSSEN PHARMACEUTICA N.V., BELG.) 8 April 1998 (1998-04-08) claims; examples 18,19,23-25,27,29-31,35,63,65	1-17
X	US 4 281 103 A (KAINMUELLER, THOMAS ET AL) 28 July 1981 (1981-07-28) claims; example 7	1-17
X	WHITTEN, JEFFREY P. ET AL: "Rapid Microscale Synthesis, a New Method for Lead Optimization Using Robotics and Solution Phase Chemistry: Application to the Synthesis and Optimization of Corticotropin Releasing Factor1 Receptor Antagonists" JOURNAL OF MEDICINAL CHEMISTRY , 39(22), 4354-4357 CODEN: JMCMAR; ISSN: 0022-2623, 1996, XP002298972 the whole document	1-17
X	US 3 498 984 A (SANTILLI ARTHUR A ET ALL) 3 March 1970 (1970-03-03) column 2, line 51 - column 3, line 52; claims; examples ix,xv,xvi,xix,xxi,xxiv-xxx	1-17
X	WO 01/05783 A (PAN GONGHUA ; BALDWIN JOHN J (US); DOLLE ROLAND E III (US); OHLMEYER M) 25 January 2001 (2001-01-25) page 87, line 17 - page 100, line 29; claims; examples	1-17
	-/--	

INTERNATIONAL SEARCH REPORT

PCT/GB2004/002723

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/100836 A (CONNOP BRUCE P ; GRANT AMELIA (CA); ACTIVE PASS PHARMACEUTICALS IN (CA) 19 December 2002 (2002-12-19) the whole document	1-18, 41-48
A	WO 03/007963 A (NEOTHERAPEUTICS INC ; FICK DAVID B (US); FOREMAN MARK M (US); GLASKY A) 30 January 2003 (2003-01-30) the whole document	1-18; 41-48
A	WO 03/032994 A (BOEHRINGER INGELHEIM PHARMA ; DORNER-CIOSSEK CORNELIA (DE); HIMMELSBAC) 24 April 2003 (2003-04-24) page 34, line 26 - page 37, line 5; claims; examples	1-18, 41-48
P,X	WO 03/066099 A (MOCHIZUKI SHINOBU ; KUBOTA HIDEKI (JP); MIURA MASANORI (JP); MIYAKE AK) 14 August 2003 (2003-08-14) abstract; tables 1-38	1-17
X	WO 99/16761 A1 (MITSUBISHI CHEMICAL CORPORATION, JAPAN) 8 April 1999 (1999-04-08) compounds with rn: 221683-04-1 and rn: 221683-07-4 abstract	19-39
X	DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; GRUDZINSKI, STEFAN ET AL: "Condensation of 2,4-dichloro-6-methoxy-s-triazine (DCMT) with amines and amino acids" XP002339542 retrieved from STN Database accession no. 1978:191368 compound with rn: 66449-81-8 abstract & GRUDZINSKI, STEFAN ET AL: "Condensation of 2,4-dichloro-6-methoxy-s-triazine (DCMT) with amines and amino acids" ACTA POLONIAE PHARMACEUTICA , 34(3), 285-93 CODEN: APPHAX; ISSN: 0001-6837, 1977,	19-39
X	WO 99/65881 A1 (NISSAN CHEMICAL INDUSTRIES, LTD., JAPAN) 23 December 1999 (1999-12-23) compound with rn252720-56-2 and 252721-02-1 claims	19-39
	-/--	

INTERNATIONAL SEARCH REPORT

PCT/GB2004/002723

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; HARRIS, ROBERT B. ET AL: "Inhibition and affinity chromatography of human serum angiotensin converting enzyme with cysteinyl-proline derivatives" XP002339543 retrieved from STN Database accession no. 1982:138706 compound with rn 81296-98-2 abstract & ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS , 206(1), 105-12 CODEN: ABBIA4; ISSN: 0003-9861, 1981,</p>	19-39
X	<p>GB 1 405 132 A (CIBA-GEIGY A.-G.) 3 September 1975 (1975-09-03) compound with rn: 41642-40-4claims</p>	19-39
X	<p>US 3 271 478 A (D'ALELIO GAETANO F) 6 September 1966 (1966-09-06) compounds with rn: 31286-83-6P, 31286-84-7P 31286-86-9P ,claims</p>	19-39
X	<p>WO 00/43369 A1 (ELAN PHARMACEUTICALS, INC., USA; AMERICAN HOME PRODUCTS CORPORATION) 27 July 2000 (2000-07-27) compound with rn:285563-63-5claims</p>	19-39
X	<p>EP 0 201 633 A2 (ABBOTT LABORATORIES, USA) 20 November 1986 (1986-11-20) compound with rn: 107609-83-6claims</p>	19-39
X	<p>JP 55 112269 A (MITSUBISHI CHEMICAL INDUSTRIES CO., LTD., JAPAN) 29 August 1980 (1980-08-29) compounds with rn:76091-90-2, 76091-89-9 abstract</p>	19-39
X	<p>US 4 140 496 A (OI, NAOBUMI ET AL) 20 February 1979 (1979-02-20) compounds with rn: 66854-90-8P 66854-95-3Pclaims</p>	19-39
X	<p>GB 929 426 A (IMPERIAL CHEMICAL INDUSTRIES LIMITED) 26 June 1963 (1963-06-26) compound with rn:100738-30-5claims</p>	19-39
	-/---	

INTERNATIONAL SEARCH REPORT

PCT/GB2004/002723

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; BRUCKNER, H. ET AL: "Design of chiral monochloro-s-triazine reagents for the liquid chromatographic separation of amino acid enantiomers" XP002339544 retrieved from STN Database accession no. 2003:428127 compound with rn:159585-39-4 159585-40-7 159585-42-9 586968-86-7 586968-87-8 586968-88-9 586968-89-0 586968-90-3 abstract & JOURNAL OF CHROMATOGRAPHY, A , 998(1-2), 73-82 CODEN: JCRAEY; ISSN: 0021-9673, 2003,</p>	19-39
X	<p>DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; WENSCHUH, H. ET AL: "Spatially addressed SPOT-synthesis on novel polymeric membranes" XP002339545 retrieved from STN Database accession no. 2002:46906 compound with rn: 461054-19-3P abstract & INNOVATION AND PERSPECTIVES IN SOLID PHASE SYNTHESIS & COMBINATORIAL LIBRARIES: PEPTIDES, PROTEINS AND NUCLEIC ACIDS--SMALL MOLECULE ORGANIC CHEMISTRY DIVERSITY, COLLECTED PAPERS, INTERNATIONAL SYMPOSIUM, 6TH, YORK, UNITED KINGDOM, AUG. 31-SEPT. 4, 1, 2001,</p>	19-39
X	<p>DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; SCHARN, DIRK ET AL: "Efficient parallel synthesis of 1,3,5-triazines on continuous surfaces" XP002339546 retrieved from STN Database accession no. 2002:46839 compound with rn: 450414-04-7P abstract</p> <p style="text-align: center;">-/--</p>	19-39

INTERNATIONAL SEARCH REPORT

PCT/GB2004/002723

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>& INNOVATION AND PERSPECTIVES IN SOLID PHASE SYNTHESIS & COMBINATORIAL LIBRARIES: PEPTIDES, PROTEINS AND NUCLEIC ACIDS--SMALL MOLECULE ORGANIC CHEMISTRY DIVERSITY, COLLECTED PAPERS, INTERNATIONAL SYMPOSIUM, 6TH, YORK, UNITED KINGDOM, AUG. 31-SEPT. 4, 1, 2001, -----</p> <p>DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; SCHARN, DIRK ET AL: "Spatially Addressed Synthesis of Amino- and Amino-Oxy-Substituted 1,3,5-Triazine Arrays on Polymeric Membranes" XP002339547 retrieved from STN Database accession no. 2000:355907 compounds with rn:159585-39-4 159585-40-7 159585-41-8 159585-42-9 159585-43-0D abstract & JOURNAL OF COMBINATORIAL CHEMISTRY , 2(4), 361-369 CODEN: JCCHFF; ISSN: 1520-4766, 2000, -----</p>	19-39
X	<p>DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; BRUECKNER, HANS ET AL: "Use of chiral monohalo-s-triazines as novel derivatizing reagents for DL-amino acids" XP002339548 retrieved from STN Database accession no. 1995:66811 compounds with rn: 159585-39-4 159585-40-7 159585-41-8 159585-42-9 159585-43-0D abstract & PEPT. 1992, PROC. EUR. PEPT. SYMP., 22ND , MEETING DATE 1992, 449-50. EDITOR(S): SCHNEIDER, CONRAD H.; EBERLE, ALEX N. PUBLISHER: ESCOM, LEIDEN, NETH. CODEN: 60LUAN, 1993, -----</p> <p style="text-align: center;">-/--</p>	19-39

INTERNATIONAL SEARCH REPORT

PCT/GB2004/002723

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; PARASHARYA, P. M. ET AL: "Triazines: 2-(2'-anilino-1',3',4'-thiadiazol-5'-ylthi o)-4,6-di(N- arylcarbamoylmethylamino)-s-triazines" XP002339549 retrieved from STN Database accession no. 1995:64076 159753-17-0P 159753-18-1P 159753-19-2P 159753-20-5P 159753-21-6P 159753-22-7P abstract 159753-23-8P 159753-24-9P 159753-25-0P 159753-26-1P 159753-27-2P 159753-28-3P 159753-29-4P & JOURNAL OF THE INSTITUTION OF CHEMISTS (INDIA), 65(3), 106-7 CODEN: JOICA7; ISSN: 0020-3254, 1993,</p>	19-39
X	<p>DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; BRUECKNER, HANS ET AL: "Use of chiral monohalo-s-triazine reagents for the liquid chromatographic resolution of DL-amino acids" XP002339550 retrieved from STN Database accession no. 1993:160226 compounds with rn: 144477-30-5P 146655-57-4P abstract & JOURNAL OF CHROMATOGRAPHY, 627(1-2), 97-105 CODEN: JOCRAM; ISSN: 0021-9673, 1992,</p>	19-39
X	<p>DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; BRUECKNER, H. ET AL: "Chiral monochloro-s-triazines as derivatizing reagents for resolving DL-amino acids by HPLC" XP002339551 retrieved from STN Database accession no. 1992:644768 compounds with rn: 144498-31-7 and 1444498-32-8 abstract & CHROMATOGRAPHIA, 33(11-12), 586-7 CODEN: CHRGB7; ISSN: 0009-5893, 1992,</p>	19-39

INTERNATIONAL SEARCH REPORT

PCT/GB2004/002723

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WO 03/045923 A (SANKYO COMPANY, LIMITED; MEGURO, MASAKI; ODA, TOMIICHIRO; NAKAGAMI, YA) 5 June 2003 (2003-06-05) compounds with rn: 86627-39-6P, 609789-03-9P, 609789-11-9P, 609789-15-3P, 50892-23-4, 50892-24-5, 54061-62-0claims</p> <p>-----</p>	18-46, 48

INTERNATIONAL SEARCH REPORT

PCT/GB2004/002723

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 44-46 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-18,41-47(part), 48

Compounds of formula (I), their pharmaceutical compositions
and uses

2. claims: 19-40, 41-47(part), 49

compounds of formula(II), their pharmaceutical compositions
and their uses

INTERNATIONAL SEARCH REPORT

GB2004/002723

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0025780	A1	11-05-2000	AU 764479 B2	21-08-2003
			AU 1131500 A	22-05-2000
			CA 2348234 A1	11-05-2000
			EP 1126843 A1	29-08-2001
			JP 2002528499 T	03-09-2002
			US 6399773 B1	04-06-2002
			US 2002143176 A1	03-10-2002
EP 0834507	A1	08-04-1998	AP 914 A	18-12-2000
			AT 267179 T	15-06-2004
			AU 740809 B2	15-11-2001
			AU 3926697 A	09-04-1998
			BR 9704937 A	06-06-2000
			CA 2216486 A1	01-04-1998
			CN 1180698 A ,C	06-05-1998
			CZ 9702993 A3	11-11-1998
			DE 69729153 D1	24-06-2004
			DE 69729153 T2	27-01-2005
			DK 834507 T3	06-09-2004
			EE 9700253 A	15-04-1998
			ES 2221679 T3	01-01-2005
			HK 1009676 A1	29-10-2004
			HR 970526 A1	31-10-1998
			HU 9701596 A2	28-06-1999
			ID 19599 A	23-07-1998
			IL 121849 A	26-08-2001
			JP 10114759 A	06-05-1998
			NO 974368 A	02-04-1998
			NZ 328854 A	27-10-2000
			OA 10620 A	03-09-2002
			PL 322369 A1	14-04-1998
			RU 2186774 C2	10-08-2002
			SG 53075 A1	28-09-1998
			SI 834507 T1	31-10-2004
			SK 131997 A3	11-06-1999
			TR 9701070 A2	21-04-1998
			TW 411335 B	11-11-2000
			US 2002147181 A1	10-10-2002
			US 2003199473 A1	23-10-2003
			US 6380194 B1	30-04-2002
			ZA 9708766 A	30-03-1999
US 4281103	A	28-07-1981	NONE	
US 3498984	A	03-03-1970	NONE	
WO 0105783	A	25-01-2001	AT 250053 T	15-10-2003
			AU 777735 B2	28-10-2004
			AU 6345900 A	05-02-2001
			CA 2379064 A1	25-01-2001
			DE 60005355 D1	23-10-2003
			DE 60005355 T2	01-07-2004
			EP 1196411 A1	17-04-2002
			HK 1048305 A1	23-07-2004
			JP 2003505384 T	12-02-2003
			WO 0105783 A1	25-01-2001
			US 2003229092 A1	11-12-2003

INTERNATIONAL SEARCH REPORT

GB2004/002723

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 02100836	A	19-12-2002	WO 02100836 A2 EP 1399426 A2 JP 2005501817 T US 2003125338 A1 US 2003191144 A1	19-12-2002 24-03-2004 20-01-2005 03-07-2003 09-10-2003
WO 03007963	A	30-01-2003	US 2003055249 A1 WO 03007963 A1 US 2004116453 A1	20-03-2003 30-01-2003 17-06-2004
WO 03032994	A	24-04-2003	WO 03032994 A2 EP 1453516 A2 US 2003134838 A1	24-04-2003 08-09-2004 17-07-2003
WO 03066099	A	14-08-2003	AU 2003244463 A1 CA 2475432 A1 CN 1625410 A EP 1479397 A1 WO 03066099 A1	02-09-2003 14-08-2003 08-06-2005 24-11-2004 14-08-2003
WO 9916761	A1	08-04-1999	JP 11171881 A	29-06-1999
WO 9965881	A1	23-12-1999	AU 4167099 A JP 2001031652 A	05-01-2000 06-02-2001
GB 1405132	A	03-09-1975	CH 578601 A5 BE 786947 A1 DE 2237006 A1 FR 2147281 A1 IT 961722 B	13-08-1976 29-01-1973 08-02-1973 09-03-1973 10-12-1973
US 3271478	A	06-09-1966	NONE	
WO 0043369	A1	27-07-2000	AU 2623900 A AU 773538 B2 AU 3472400 A BR 0007663 A CA 2359113 A1 CA 2359115 A1 CN 1351592 A CN 1346350 A CZ 20012361 A3 EP 1144384 A1 EP 1144388 A1 HU 0201213 A2 JP 2002535314 T JP 2002535317 T MX PA01007335 A NO 20013600 A NZ 529822 A PL 350050 A1 WO 0043372 A1 US 2003125324 A1 US 2003144328 A1 US 2003139402 A1 US 6492372 B1 US 6479492 B1 ZA 200105314 A	07-08-2000 27-05-2004 07-08-2000 07-05-2002 27-07-2000 27-07-2000 29-05-2002 24-04-2002 12-12-2001 17-10-2001 17-10-2001 28-12-2002 22-10-2002 22-10-2002 07-06-2004 20-09-2001 19-12-2003 21-10-2002 27-07-2000 03-07-2003 31-07-2003 24-07-2003 10-12-2002 12-11-2002 27-03-2003

INTERNATIONAL SEARCH REPORT

PCT/GB2004/002723

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0201633	A2	20-11-1986	JP	61165400 A	26-07-1986
JP 55112269	A	29-08-1980	JP	1406070 C	27-10-1987
			JP	62012830 B	20-03-1987
US 4140496	A	20-02-1979	JP	1101944 C	25-06-1982
			JP	52136188 A	14-11-1977
			JP	56047906 B	12-11-1981
			DE	2720995 A1	24-11-1977
GB 929426	A	26-06-1963	NONE		
WO 03045923	A	05-06-2003	AU	2002349480 A1	10-06-2003
			BR	0214539 A	03-11-2004
			CA	2468948 A1	05-06-2003
			CN	1596246 A	16-03-2005
			EP	1473289 A1	03-11-2004
			HU	0402657 A2	29-03-2005
			WO	03045923 A1	05-06-2003
			JP	2004083547 A	18-03-2004
			US	2005054732 A1	10-03-2005